

# **SDMS US EPA REGION V -1**

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## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

A2  
5/27/83  
MEMORANDUM

DATE: May 27, 1983

TO: Division File ✓

FROM: Ken Mensing - Southern Region *Km*

SUBJECT: L16300000 - St. Clair County - Sauget/Sauget S.T.P.

RECEIVED

153847

JUN 01 1983

E.P.A. - D.L.P.C.  
STATE OF ILLINOIS

On May 10, 1983, Rev. Buck Jones of Project Hope in East St. Louis and about twenty residents of the Rush City area of East St. Louis came to the Collinsville Regional Office to voice their concerns concerning dioxin contamination in the Sauget area and to express their opinions that the Agency has not responded to their needs. Rev. Jones had notified the local news media that he and local residents would be going to the Collinsville EPA Office at 11:00 a.m. on May 10, 1983. I did not find out about the protest meeting until around 9:30 a.m. on that date. At 10:55 a.m. the group entered my office, followed by various news media representatives. I informed Rev. Jones and the group that I was not the proper Agency spokesman regarding this situation, because the matter was being spearheaded and coordinated out of the main office in Springfield. They considered these statements to be further Agency run around. Rev. Jones claimed that the Agency did not have the common courtesy to return his phone calls.

The Rush City area is about one mile from the Sauget Treatment Plant. The residents are fearful that the dioxin contamination may have spread to their area. I informed Rev. Jones that I would phone the main office and get him in contact with someone who could best respond to their questions. I phoned Roger Kanerva and let Rev. Jones talk to him. The main point of their conversation was that the Agency would meet with the group in the near future to discuss their concerns about the possibility of dioxin contamination in the Rush City area.

The meeting was scheduled for May 19, 1983 at 2:00 p.m. at the Rush City Community Hall. On this date and time, Nick Mahlandt - DWPC, Bob Hagele - Public Participation, and I met with Rev. Buck Jones and the residents of Rush City. The news media was well represented at the meeting. We explained the sampling that was performed near the Sauget Sewage Treatment Plant and that this sampling indicated that the dioxin contamination was localized in a small area near the plant. We further explained that dioxin is only slightly soluble in water, that it has an affinity for soil particles and that it was extremely unlikely that their neighborhood could be contaminated due to the Sauget dioxin contaminated area. Technical statements in no way served to allay their fears. They said we had not tested in Rush City and therefore did not know for sure that dioxin was not present. It soon became evident that they would not be satisfied until sampling was performed in their neighborhood. Rev. Jones indicated that he would apply whatever pressure was necessary to have samples taken and analyzed. I informed them that the IEPA had collected the prior dioxin samples in Illinois, but that it was in association with the USEPA, because they were providing the analyses and paying the costs. I told the group that I would need to discuss the matter with USEPA and determine if they were willing to have the samples analyzed. I informed Rev. Jones that I would get back in touch with him by May 24, 1983.

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May 27, 1983

On May 20, 1983, I phoned Norm Niedergang with USEPA and relayed in general all of the above information to him. He said he would check with management about providing analysis support and get back with me. On May 23, 1983, Norm called me back and said that they would be willing to have samples analyzed. Rev. Jones talked to Bob Hagele on May 24, 1983 regarding the sampling. On May 25, 1983, I talked to Rev. Jones and we scheduled the sampling for 1:30 p.m. on May 26, 1983. On this date and time Tom Powell, Bob Hagele and I met with Rev. Jones, Mrs. Bettie Henley and Mr. Charles Lawrence. Mrs. Henley was very vocal during the May 19, meeting and Mr. Lawrence served as a spokesman for the Rush City residents. We assessed the general area and agreed upon obtaining four (4) soil samples.

Sample 83TS14S05 was obtained 15 feet north of the northwest corner of Mrs. Henley's garden. Mrs. Henley lives at 1115 Morgan Street. The sample was a 0"-12" soil composite.

Sample 83TS14S06 was collected 7 feet west of the front porch at the residence of a Mr. Green, who lives at 920 Cook Street. The sample was a 0"-12" soil composite.

Sample 83TS14S07 was collected at the base of the children's slide at the playground on Hickory Street. The sample was a 0"-12" soil composite.

Sample 83TS14S08 was collected 39 feet south from the midpoint of the Rush City Community Center. This area was in the midst of a playground. The address is 1408 Mississippi Avenue. The sample was a 0"-12" soil composite.

The samples were collected at 1:50 p.m., 2:30 p.m., 3:00 p.m., and 3:30 p.m.

Rev. Jones, Mrs. Henley and Mr. Lawrence all expressed satisfaction and gratitude in the fact that samples were collected and would be analyzed.

KGM:jlrr

cc: Norm Niedergang - USEPA  
Southern Region

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CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME					NO. OF CON- TAINERS	REMARKS			
SAMPLERS: (Signature)											
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION						
ILLINOIS DIOXIN SAMPLING							1	5011	1	0'-17"	8375 11 5011
SAUGET, ILLINOIS											
	6-4-83		✓		S.T.P. (RUSH CITY)						
	6-4-83		✓		S.T.P. (RUSH CITY)						
	6-4-83		✓		S.T.P. (RUSH CITY)						
	6-4-83		✓		S.T.P. (RUSH CITY)		1	5011	2	0'-12"	8375 11 5011
	6-4-83		✓		S.T.P. (RUSH CITY)		1	5011	3	0'-12"	8375 11 5011
	6-4-83		✓		S.T.P. (RUSH CITY)		1	5011	4	0'-12"	8375 11 5011
SAMPLES COLLECTED BETWEEN 1:30 P.M. AND 2:30 P.M.											
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
[Signature]		6-1-83 11:00		[Signature]		[Signature]		6-2-83 12:00		[Signature]	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
[Signature]		6-3-83 8:55		[Signature]		[Signature]		6-7-83 12:00		[Signature]	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks			
[Signature]		6-10-83 3:00		[Signature]		6-10-83 3:00					

Legend: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

944300

TOSB 3087

Lab: BattelleDate: July 21, 1981Case: 613-EGC Column: CP Sil-88Shipment: 1Average Native RRF: 1.00Average Surrogate RRF: 1.37

Extraction Method		Cleanup Option			Average surrogate amt: 1.27														
Sample Number	Grams Wet Weight	PPB TCDD	D.L.	Analytical		Native		C-13		Surrogate Percent Accuracy	m/z 320 area	m/z 322 area	m/z 257 area	m/z 328 area	m/z 332 area	m/z 334 area	Comments		
				Date	Time	m/z 320 m/z 322 Area Ratio	m/z 332 m/z 334 Area Ratio	m/z 320 m/z 332 Area Ratio	m/z 332 m/z 334 Area Ratio										
1	J B 11.1	--	0.50	7/19	14:20		0.97	0.81	95	226047	233596	193343	2765010	2161640	2652400		837519		
2	J B 11.1	--	0.03	7/19	14:52		0.15	0.78	97	19861	128635	177023	2561950	1906660	2437640		837519		
3	J B 11.1	--	0.05	7/19	15:20		2.38	0.80	100	28922	12160	204183	2518820	1851300	2308580		837519		
4	J B 11.3	--	0.19	7/19	16:00		0.44	0.82	95	44672	101879	141884	2332660	1783080	2176120		837519		

(1) Corrected for contribution by native TCDD (Subtract 0.009 of m/z 322).

(2) Based on 10 gram sample.

MB = Method Blank  
P = Partial Scan  
N = Native TCDD Spike  
D = Duplicate (Intralab)  
FB = Field Blank

H = High Resolution  
ND = Not Detected  
DL = Detection Limit  
J = Jar Extraction

A, B, C = Cleanup Option  
(or any combination)